



The Absorption Spectra of Solutions as Affected by Temperature and by Dilution; A Quantitative Study of Absorption Spectra by Means of the Radiomicrometer

By Harry Clary Jones

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1913 edition. Excerpt: .minima appear at X572, X730, X786, and X860. Bands X730, X786, and X860 do not appear on the photographic plate, and the last two seem never to have been detected before. The above wave-lengths are given as in the tables. The salts of neodymium were studied as far as X20000, but beyond 1// there seems to be complete transparency. The absorption of water is, as is well known, very great in the region X12000 to X20000. DISCUSSION OF THE RESULTS. The results are plotted in figs. 1 to 11. The abscissae are percentage transparencies, the ordinates are wave-lengths. These curves, since they represent the transparencies of the solutions in question, are called transmission curves. Figs. 1, 2, and 3 represent the transparency of solutions of neodymium chloride expressed in terms of Beer's law. If we represent the concentration by N and the depth of...



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